Appl. No. 09/852,166 Amendment/Response Reply to Office action of 13 February 2003

Amendments to the Claims:

Please cancel claim 4 without prejudice or disclaimer, and amend claim 1 as follows.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (previously amended) A rare-gas low-pressure discharge lamp for generating ultraviolet light, in particular for cosmetic or therapeutic purposes, with a discharge vessel which is filled with a gas consisting of at least one rare gas, the discharge vessel being at least partly transparent to UV light, the discharge vessel being at least partly coated with a phosphor which radiates UV light when excited by UV excitation radiation produced in the discharge vessel characterized in that the discharge vessel is at least partly made of a glass having a transmissivity of 20 to 70% for light of 312.6 nm wavelength.
- 2. A lamp as claimed in claim 1, characterized in that the excitation radiation produced in the discharge vessel has wavelengths in the VUV range.
- 3. (previously amended) A lamp as claimed in claim 1, characterized in that the discharge vessel is filled with xenon or neon.

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- 5. (previously amended) A lamp as claimed in claim 1, characterized in that the phosphor is formed such that less than 1% of the light radiated thereby under the excitation of an excitation radiation produced in the discharge vessel has wavelengths below 290 nm.
- 6. (previously amended) A lamp as claimed in claim 1, characterized in that the phosphor is formed such that between 1% and 10% of the light radiated thereby upon excitation with an excitation radiation produced in the discharge vessel has wavelengths between 290 and 320 nm.



- 7. (previously amended) A lamp as claimed in claim 1, characterized in that the phosphor is formed such that less than 5% of the light radiated thereby upon excitation by an excitation radiation produced in the discharge vessel has wavelengths above 400 nm.
- 8. (previously amended) A lamp as claimed in claim 1, characterized in that the phosphor comprises at least one luminescent material, preferably a combination of luminescent materials, chosen from the following group of luminescent materials: BaSi₂O₅:Pb (BSP), CeMgAl₁₁O₁₉ (CAM), LaPO₄:Ce (LAP), SrB₄O₇:Eu (SBE), (SR,Ba)MgSi₂O₇:Pb (SMS).
- 9. (previously amended) A lamp as claimed in claim 1, characterized in that a UV-light reflecting layer, in particular a layer comprising MgO and/or Al_2O_3 , is provided on portions of the discharge vessel.

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10. (previously amended) A lamp as claimed in claim 1, characterized in that the discharge vessel is not tubular in shape.

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- 11. A lamp as claimed in claim 10, characterized in that two of the three dimensions of the discharge vessel, in particular its length and width, are substantially greater than its third dimension, in particular its thickness.
- 12. (previously amended) A lamp as claimed in claim 10, characterized in that the discharge vessel is adapted to the contours of a surface to be irradiated with the lamp.

REMARKS/DISCUSSION OF ISSUES

Claims 1-3 stand finally rejected under 35 USC 102(b) as being anticipated by Doughty et al. (U.S. patent 5,866,984).

By this amendment, the limitations of claim 4 have been incorporated into claim 1, and claim 4 has been cancelled.

Doughty et al. disclose a mercury-free UV discharge source including a phosphor layer for converting UV radiation of the discharge source to visible light in a fluorescent lamp. See e.g., col. 1, lines 51, 52.

Doughty et al. do not disclose a glass discharge vessel with a transmissivity of 20 to 70% for light of 312.6 nm wavelength.

Accordingly, Doughty et al. do not anticipate claims 1-3, and it is urged that the rejection is in error and should be withdrawn.